

**ACCELERATED PETRIFACTION PROCESS FOR
LIGNOCELLULOSE MATERIALS**

ABSTRACT OF THE DISCLOSURE

Disclosed is an accelerated petrification process of lignocellulose materials, including the step of impregnating with an aqueous solution an alkaline hydroxide and a soluble silicate, under pH conditions that permits its partial neutralization and insolubilization of the salts *in situ* in the interior of the lignocellulose material by the action of acid groups present in the lignocellulose material and the acidic action of carbon dioxide present in the surrounding air.